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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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EXAMINER
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ART UNIT	PAPER NUMBER
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DATE MAILED:

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

OFFICE ACTION SUMMARY

- ☐ Responsive to communication(s) filed on \_\_\_\_\_
- ☐ This action is **FINAL**.
- ☒ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 D.C. 11; 453 O.G. 213. (See the Attachment)

A shortened statutory period for response to this action is set to expire TWO month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

- ☒ Claim(s) 1-46 is/are pending in the application.
- Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- ☒ Claim(s) 1-46 is/are allowed.
- ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

Application Papers

- ☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.
- ☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.
- ☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_
- ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- ☒ Notice of Reference Cited, PTO-892
- ☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_
- ☐ Interview Summary, PTO-413
- ☒ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152

-- SEE OFFICE ACTION ON THE FOLLOWING PAGES --

Art Unit: 1724

1. The Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 1724.

2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

3. Claims 1-46 are allowed. The telephone restriction requirement made on February 19, 1998 has been withdrawn.

4. This application is in condition for allowance except for the following formal matters:

Claim 3 ends in a “,” (comma) and should end in a “.” (period). On Figure 1 of the drawing, there is no description of number “163” in the specification. On Figure 8, there is no number “327” thereon. On Figure 11, there is no number “450” thereon. On Figure 13, there are no numbers “601”, “602”, “611”, and “612” thereon. Those numbers must either be added to the drawing figures or deleted from the specification. On page 44, line 28, is described “chamber 107”. There is no such “chamber” labeled with that number on Figure 8. Page 10, line 33 “centored” should be “centered”. Page 14, lines 1, 18 and 34, “the said” should be either “the” or “said”, but not both. Make the same change in claim 3, line 8; claim 22, part (c), line 5 and part (d), line 17; and, claim 31, line 6. Page 15, line 34 and page 16, line 24, also have “the said”. Page 27, line 16, “achieved” should be “achieve”. Page 35, line 20, “ass” should be “as”. Page

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53, line 8, "som<sup>w</sup>ewhat" should be "somewhat". Claim 15, line 4, "<sup>pressure</sup>~~pressure~~" should be "pressure".

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

5. The references listed on the two sheets of the PTO-892 show art of interest only, over which the claims define allowable subject matter.

6. Any inquiry concerning this communication should be directed to Robert H. Spitzer at telephone number (703) 308-3794.

Spitzer/mm

May 8, 1998

*Robert H. Spitzer*

ROBERT SPITZER  
PRIMARY EXAMINER  
GROUP 1700

5/11/98